

Rykhlik, I. and Shorm, F.
ON PROTEINS. XXXI. CONCERNING THE ACTIVE
CENTERS OF TRYPSIN AND CHYMOTRYPSIN
(O Belkakh, 31. K Poznaniyu Aktivnogo Tsentra
Tripsina i Khimotripsina). 41p. (foreign text inclu-
ded) 21refs. DTC-17.
Order from OTS, ETC or DTC \$4.60 TT-63-26457

Trans. of Sbornik Chekhslovatskykh Khimiches-
kykh Rabot, 1955, v. 20, no. 3, p. 538-549. (also
published in Chemické Listy (Czechoslovakia) 1955,
v. 49, p. 249-258).

DESCRIPTORS: *Trypsin, *Chymotrypsin, Mole-
cular structure, Peptide Hydrolases, Magnesium.

(Biological Sciences--Biochemistry,
TT, v. 12, no. 4)

TT-63-26457

I. Rykhlik, I.
II. Shorm, F.
III. DTC-17
IV. Danish Translations
Centre, Roskilde
(Denmark)

Office of Technical Services
European Translations Centre

(100 28877)

Alkaloids of Poppy Plants (Papaveraceae) Part VI*:
The Alkaloids of Macleaya Microcarpa (Maxim.)
Pedde**, by J. Slavik, L. Slavikova, 13 pp.

~~Czech~~
~~Slovak~~, bino per, Sbornik Chemicko-farmaceuticki
Chemicko-farmaceuticki Vol XX, No 2, Prague,
Apr 1955, pp 356-361.

CIA/FDD 6 IU-6801

39, 641

ESur - Czechoslovakia
Sci - Chemistry, medicine
pt 56

Amino-Acids and Peptides. XV. Preparative
Isolation of Some Amino Acids from Gelatin
Hydrolysates, by Václav Golejšovský,
Průmyslová Škola, 11 p.

ČEKCH, per, Sborník Československé Akademie Věd, 1955,
Vol. XI, No 20, pp 586-592.

SLA 60-10372

Sci
Apr 60
Vol. XII, No 3

III, 574

62-18984

Körbl, J.
PROPERTIES OF SILVER PERMANGANATE AND ITS
THERMAL DECOMPOSITION PRODUCT. Pt. 1 of
Analytical Applications of Silver Permanganate.
19 July 62 [7]p. 18 refs.
Order from SLA SL 10

62-18984

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1955, v. 20, p. 948-951.

DESCRIPTORS: Chemical analysis, *Permanganates,
*Silver compounds, Decomposition, *Pyrolysis,
Oxidation, Oxygen, Hydrogen, Catalysis.

The oxidation properties of solid silver permanganate
and the oxidation-catalytic properties and absorptivity
of its thermal decomposition product were studied
with a view to their analytical application. (Author)

(Chemistry--Analytical, TT, v. 10, no. 2)

I. Körbl, J.
II. Title: Analytical ...

Office of Technical Services

62-18985

Körbl, J.
DETERMINATION OF CARBON AND HYDROGEN IN
ORGANIC COMPOUNDS. Pt. 2 of Analytical Applica-
tions of Silver Permanganate. 23 July 62 (12p. 22 refs.
Order from SLA \$1.60 62-18985

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1955, v. 20, p. 953-960.

62-18985-16-246
DESCRIPTORS: Chemical analysis, Determination,
*Carbon, *Hydrogen, Organic compounds, Pyrolysis,
*Silver compounds, *Permanganates, Catalysts,
Absorption, Nitrogen, Dioxides, Halogens, Sulfur.

The thermal decomposition product of silver perman-
ganate is used as a combustion catalyst in the deter-
mination of carbon and hydrogen in organic compounds.
The filling also fixes halogens and sulfur dioxide. The
catalytic combustion, which proceeds at relatively low
(Chemistry--Analytical, TT, v. 10, no. 2) (over)

I. Körbl, J.
II. Title: Analytical ...

Office of Technical Services

62-18987

Korbl, J.
DETERMINATION OF CARBON AND HYDROGEN
USING A SHORT CATALYTIC FILLING IN THE
COMBUSTION TUBE. Pt. 3 of Analytical Applications
of Silver Permanganate. 30 July 62 [11]p. 12 refs.
Order from SLA \$1.60 62-18987

I. Korbl, J.
II. Title: Analytical...

Trans. of [Sbornik Československých Chemických
Prací] 1955, v. 20, p. 1026-1031.

DESCRIPTORS: Chemical analysis, Combustion cham-
bers, Determination, *Carbon, *Hydrogen, *Silver
compounds, *Pyrolysis, *Permanganates, Reaction
kinetics, *Catalysts.

The semimicrodetermination of carbon and hydrogen,
using a 3.5 cm contact layer, is described. (Author)

(Chemistry--Analytical, TT, v. 10, no. 2)

Office of Technical Services

62-18988

Körbl, J. and Blabolil, K.
MICRODETERMINATION OF CARBON AND HYDROGEN.
Pt. 4 of Analytical Applications of Silver Permanganate.
14 Aug 62 [6]p. 7 refs.
Order from SLA \$1.10

62-18988

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1956, v. 21, p. 318-320.

DESCRIPTORS: *Microanalysis, *Carbon, *Hydrogen.
Organic compounds, Silver compounds, Permanganates,
Catalysts, Absorption, Halogens, Sulfur, Reaction
kinetics.

The short catalytic combustion-tube filling, with some
modifications, was used for the microdetermination of
carbon and hydrogen in organic compounds. (Author)

(Chemistry--Analytical, TT, V. 10, no. 1)

I. Körbl, J.
II. Blabolil, K.
III. Title: Analytical ...

Office of Technical Services

Körbl, J. and Pribil, R.
COMPLEXOMETRIC DETERMINATION OF OXIDIZ-
ABLE SULFUR AS MANGANESE (II) SULFATE. Pt. 5
of Analytical Applications of Silver Permanganate.
9 Aug 62 [8]p. 14 refs.
Order from SLA \$1.10

62-18989

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1956, v. 21, p. 322-325.

DESCRIPTORS: *Sulfur, Chemical analysis, Complex
compounds, *Manganese compounds, Sulfates, Ad-
sorbents, *Silver compounds, Permanganates.

A complexometric method for determining oxidizable
sulfur after absorption of SO_2 in the thermal decompo-
sition product of AgMnO_4 has been developed. SO_2 is
absorbed quantitatively in the form of Ag_2SO_4 and
 MnSO_4 . By reaction with H_2O_2 and MnO_2 , the Ag_2SO_4 is
converted to an equivalent amount of MnSO_4 , which is
then determined complexometrically. (Author) (See also
62-18988)

62-18989

I. Title: Complexometric
analysis

I. Körbl, J.

II. Pribil, R.

III. Title: Analytical ...

(Chemistry--Analytical, TT,
v. 9, no. 12)

Office of Technical Services

Smrcek, K. and Barton, K.
CORROSION STUDIES. IV. ELECTROCHEMICAL
AND CORROSION KINETIC STUDIES OF ZINC IN
WATER. 7 Oct 59 [22]p. 18 refs.
Order from SLA \$2.60

61-16773

Trans. of [Sbornik Chekoslavatskykh Khimicheskikh
Rabot] 1958, v. 21, p. 339-348.

DESCRIPTORS: *Zinc, *Corrosion, Electrochemistry,
Corrosion research, Water.

The electrochemical and corrosion kinetic behavior of
zinc in water of different kinds was investigated be-
tween 20° and 95°C. An increase of potential of Zn was
observed at 80°C in the tap water, feed water and dis-
tilled water, which can be explained by the change in
the characteristics of the corrosion products and by the
change in the depolarization mechanism of the cathodic
places. In the synthetic water the potential increase
has not been observed. Different reaction mechanisms
(Metallurgy--Corrosion, II, v. 6, no. 5) (over)

61-16773

I. Smrcek, K.
II. Barton, K.
III. Title: Electrochemical...

180497

Office of Technical Services

Corrosion Study V. Mechanism of Chemical Passivation
and Corrosion of Metals, by M. Prazak, V. Prazak,
13 pp.

RUSIAN, bk, Sbornik Československ Khim Rabot,
Vol XXI, 1956, pp 564-570. 9085518

FTD-TT-62-1721

Sci-Chem

Sep 63

343,567

The Decomposition of Penicillin in Acid
Solutions, by E. Krejci, 18 pp.
CZECH, per, Sbornik Chekhoslovatskykh Khimiches-
kykh Rabot, Vol XXI, 1956, pp 707-717.
CFSTI TT-64-18551

Sci - B/M
Jul 66

305,806

Körbl, J. and Pribil, R.
A SIMPLE AND RAPID METHOD FOR DETECTING
ELEMENTS IN ORGANIC COMPOUNDS. Pt. 6 of
Analytical Applications of Silver Permanganate.
16 Aug 62 [9 p. 2] refs.
Order from SLA \$1.10

62-18990

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh
Rabot] 1956, v. 21, p. 955-959.

DESCRIPTORS: Chemical analysis, *Chemical
elements, Detection, *Microanalysis, Carbon, *Inor-
ganic substances, Pyrolysis, *Organic compounds,
Permanganates, Silver compounds, Reaction kinetics.

A simple micro method has been developed for the
detection of carbon, hydrogen, mercury, nitrogen,
chlorine, bromine, iodine, sulfur, phosphorus, and
arsenic in organic materials. A 0.1-1 mg sample,
(Chemistry--Analytical, TT, v. 10, no. 2) (over)

62-18990

I. Körbl, J.
II. Pribil, R.
III. Title: Analytical ...

Office of Technical Services

59-15439

Patrovsky, V. and Huka, M.
COMPLEXOMETRIC TITRATIONS (CHELATOMETRY).
XXII. Volumetric Determination of Iron, Aluminum and
Titanium in Silicates (Komplexometrische Titrationen
(Chelatometrie)). 19 Nov 57, 12p. 24 refs. 59-15439
Order from SLA \$1.60

Trans. of [Sbornik Chekhoslovenskykh Khimicheskikh
Rabot] 1957, v. 22, Feb, p. 37-42 (also published in
Chem[ické] Listy (Czechoslovakia) 1956, v. 50,
p. 1103ff).

DESCRIPTORS: *Titration, *Iron, *Aluminum,
*Titanium, Determination, Colorimetric analysis,
Chemical analysis.

Iron, aluminum and titanium can be determined chela-
tometrically by back-titration of excess complexon in
neutral medium with copper salt against pyrocatechol
violet. After titration of iron against sulfosalicylic acid
and colorimetric determination of titanium, the alumi-
(Chemistry--Analytical, TT, v. 6, no. 5) (over)

I. Patrovsky, V.
II. Huka, M.
III. Title: Volumetric ...

180411

Office of Technical Services

Organosilicon Compounds. VIII. Carbon and
Hydrogen Determination in Organosilicon
Compounds, by J. Korbl, R. Komers, 19 p.

CZECH, per, Sbornik Chekheslovatskykh
Khim Rabot, 1957, Vol XXII.

SLA 59-15733

Sci
Dec 59
Vol 2, No 6

104,135

Chemical Reactions of Synthetic Polymers, by W. Kern,
23 p.

CZECH, per, Sbornik Chekoslovatskykh Khimicheskikh
Rabot, 1957, p Vol XIII, pp 126-140.

SLA 60-10075

Sci
Apr 60
Vol III, No 3

112,082

Complexometric Titrations (Chelatometry). XXIII.
Determination of Lead Against Brilliant Congo Blue in
Unbuffered Medium, by J. Vrestal, S. Kotrly, 12 pp.

CZECH, per, Sbornik Chekhoslovatskykh Khimicheskikh
Rabot, Vol XXII, Feb 1957, pp 189-194.

SLA 59-15421

Sci
Dec 59
Vol 2, No 5

103,607

Complexometry in Organic Analysis II. Determination of ~~423~~
Amino Acids and Peptides, by B. Buresinsky, 10 pp.

CZECH, per, Sbornik CzechoslovatskyM. KhimicheskyM.
Rabot, Vol XXII, Feb 1957, pp 230-235.

SLA 59-15420

Sci
Dec 59
Vol 2, No 5

103,633

Complexometry in Organic Analysis III. Determination
of Quaternary Ammonium Salts, by B. Budesinsky, 12 p.

CZECH, per, Sbornik Chakhoslovatskykh Khimicheskyykh
Rabot, Vol XXII, 1957, pp 236-241.

SIA 59-15427

Sci
Dec 59
Vol 2, No 5

103,635

Colorimetric Determination of Cobalt With
α-Purilmonoxime, by Martinek, V. Hovorka, 12 p.

CZECH, per, Sbornik Chakhoslovatskykh Khim Rabot,
1957, Vol XXII, pp 246-252.

SLA 59-15768

Bd1
Doc 59
Vol 2, No 6

104,136

Organometallic Compounds From the Standpoint of
Macromolecular Synthesis, by K. Ziegler, 14 pp.

CZECH, per, Sbornik Chemoslovatskykh Khimicheskikh
Rabot, Vol XXII, 1957, p 235.

SLA 60-10778

Sci
Jun 60
Vol III, No 5

119,051

Quantitative Organic Analysis. VIII.
Micro-Determination of Sulfur in Organic
Compounds. The Formation Mechanism of
Silver Sulfate, by M. Vecera, D. Snobl,
11 pp.

RUSSIAN, per, Sbornik Chekchoslovatskikh
Khim Rabot, Vol XXII, 1957, pp 986-993.

SLA 60-14381

Sci
Mar 62
Vol IV, No 2,

188,896

Calculation of the Liquid Vapor Equilibrium
from the Viscosity of the Liquid Phase,
by V. Vanecek, 6 pp.

CZECH, per, Sbornik Československých
Chemických Prací, Vol 22, No 5,
1957, pp 1569-1573.
SLA TT-65-10197

336,230

Sci
Aug 67

62-18991

Satava, V. and Körbl, J.
THE THERMAL DECOMPOSITION OF SILVER
PERMANGANATE. Pt. 7 of Analytical Applications of
Silver Permanganate. 23 Aug 62 [16]p. 26 refs.
Order from SLA \$1.60 62-18991

I. Satava, V.
II. Körbl, J.
III. Title: Analytical...

Trans. of [Sbornik Chelchoslovatskykh Khimichenskykh
Rabot] 1958, v. 22, p. 1380-1389.

DESCRIPTORS: *Silver compounds, *Permanganates,
Pyrolysis, Calorimetry, Gravimetric analysis,
Electrical conductance, Thermoelectricity, Catalysis.

The decomposition of silver permanganate at tempera-
tures up to 1000°C was followed by differential thermal
analysis, thermogravimetric analysis, contracter
thermal analysis, and measurements of electrical
conductivity and thermoelectric properties. On the
basis of the experimental results obtained, a repre-
(Chemistry--Analytical, TT, v. 9, no. 10) (over)

Office of Technical Services

62-18034

Synek, L. and Vecera, M.
QUANTITATIVE ORGANIC ANALYSIS. XI. THE USE
OF COBALTO-COBALTIC OXIDE (Co_2O_3) AS A COM-
BUSTION CATALYST IN ELEMENTAL ANALYSIS.
Preliminary Communication. 8 June 62 [5]p. 10 refs.
Order from SLA \$1.10 62-18034

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1958, v. 23, p. 331-333.

DESCRIPTORS: *Organic compounds, *Quantitative
analysis, *Cobalt compounds, Oxides, *Cobalt,
*Cobalt catalysts, Combustion, Catalysts.

A small layer of cobalto-cobaltic oxide on a suitable
support is a very effective combustion catalyst, and,
at temperature of about 600°C , ensures complete com-
bustion for most organic compounds, even those whose
combustion involves difficulties (hydrazine),
(Chemistry--Analytical, TT, v. 8, no. 9) (over)

I. Synek, L.
II. Vecera, M.
III. Title: Use . . .

Office of Technical Services

Soucek, M.
A NEW APPARATUS FOR THE SEMIMICRO- AND
MICRODETERMINATION OF ACTIVE HYDROGEN
IN ORGANIC COMPOUNDS. 9 July 62 [8]p. 14 refs.
Order from SLA \$1.10 62-18992

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1958, v. 23, p. 554-557.

DESCRIPTORS: *Organic compounds, *Hydrogen,
Determination, Microanalysis.

(Chemistry--Analytical, TT, v. 9, no. 8)

62-18992

I. Soucek, M.

Office of Technical Services

Vecera, M. and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. XVIII.
MICRODETERMINATION OF CARBON AND HYDRO-
GEN, USING COBALTO-COBALTIC OXIDE AS COM-
BUSTION CATALYST. 1 Nov 62, 16p. 44 refs.
Order from SLA \$1.60 63-10102

Trans. of [Sbornik Chemoslovatskykh Khimicheskikh
Rabot] 1958, v. 23, p. 1202-1211.

DESCRIPTORS: *Quantitative analysis, *Organic
compounds, *Microanalysis, *Carbon, *Hydrogen,
*Cobalt compounds, *Combustion, Catalysts, *Oxides.

A rapid and simple method for the microdetermination
of C & H is described, in which the sample is burned
in an oxygen stream in the presence of CO_3O_4 . Halogen
and sulfur are absorbed by silver, while nitrogen
oxides are retained outside the combustion tube by
(Chemistry--Analytical, TT, v. 9, no. 10) (over)

63-10102

I. Vecera, M.
II. Synek, L.
III. Title: Microde-
termination...

Office of Technical Services

Kinetics of Electrode Processes of Complexes
in Polarography. Pt I. Certain Polarographic
Methods for the Determination of the
Mechanism of Metal Deposition From
Complexes, by J. Koryta.

CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXIII,
1958, pp 1408-1411.

SLA TT 64-30044

Sci

May 67

327,221

Zahradnik, R.
THE REACTIONS OF THE AMINO ACIDS WITH
CARBON DISULFIDE. VII. PREPARATION AND
SOME PHYSICO-CHEMICAL PROPERTIES OF SALTS
OF THE DITHIOCARBAMINO CARBOXYLIC ACIDS.
[1963] 11p 12 refs

Order from SLA \$1.60 TT-63-20134

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1958, v. 23, p. 1443-1450 (originally pub. in
Chemické Listy (Czechoslovakia) 1956, v. 50,
p. 1892H.). (Abstract available)

DESCRIPTORS: *Amino acids, *Carbon compounds,
*Sulfides, Thio radicals, Amines, Carboxylic acids,
*Barium compounds, Synthesis (Chemistry), Solubility,
Electrical conductance, Absorption spectrum.

(Chemistry--Organic, TT, v. 11, no. 2) .(over)

TT-63-20134

- I. Title: Dithiocarbamino
carboxylic acids
- I. Zahradnik, R.
- II. Title: Preparation...

Office of Technical Services

Horacek, J. and Grünberger, D.
A MODIFIED RAPID METHOD FOR THE DETERMINA-
TION OF ^{14}C . 9 May 63 [7p] 11 refs
Order from SLA \$1.10 TT-63-18903

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1958, v. 23, p. 1974-1977.

DESCRIPTORS: *Radioactive isotopes, *Carbon,
Labeled substances, Combustion, Titration, Chemical
precipitation, *Laboratory equipment, Design, Radio-
logical contamination, *Radiochemistry.

A method is given for the determination of the C^{14}
content of organic substances which combines the sim-
plicity of the Kürbl method, the accuracy of the Pregl
combustion tube method, and the feature that samples
are not contaminated by residual radioactivity in the ap-
paratus. The combustion tube contains the pyrolysis
product of AgMnO_4 as a combustion catalyst, and MnO_4
(Chemistry--Analytical, TT, v. 11, no. 1) (over)

TT-63-18903

I. Horacek, J.
II. Grünberger, D.

Office of Technical Services

Study of Mixing. Pt. II. Indication of Flow Paths by a Suspended Body. A Statistically-Based Method for the Investigations of the Mixing Process in the Liquid Phase, by H. Steidl, 18 pp.

GZRGH, per, Sbornik Metodologicheskikh Khimicheskikh Rabot, Vol. XXXIII, 1958, pp 1564-1679.

Assoc Tech Serv
84X270

Sci - Chem
May 59
OCS, V I, No 6

86,331

The Chromatography of Aromatic Isomers. IX. Separation
of Some Benzene Mono- and Tricarboxylic Acids by
Paper Chromatography, by J. Franc, 7 pp.

RUSSIAN, per, Sbor Chekh Khim Rabot, Vol XXIII, 1958,
pp 2018-2023.

ATB 771290

Sci - Chem
Sep 59
Vol 2, No 1

97,247

Horacek, J. and Körbl, J.
MICRO- AND SEMIMICRODETERMINATION OF
CARBON AND HYDROGEN IN FLUORINE-CONTAINING
ORGANIC COMPOUNDS. Pt. 8 of Analytical Applica-
tions of Silver Permanganate. 27 Aug 62 [7]p. 15 refs.
Order from SLA \$1.10 62-18993

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1959, v. 24, p. 266-290.

DESCRIPTORS: *Silver compounds, *Permanganates,
*Fluorocarbons, Microanalysis, *Fluorine compounds,
Organic compounds, *Carbon, *Hydrogen.

(See also 62-18991)

(Chemistry--Analytical, TT, v. 9, no. 10)

62-18993

I. Horacek, J.
II. Körbl, J.
III. Title: Analytical...

Office of Technical Services

Polarographic Currents Determined by the
Dissociation of an Electroinactive Compound
into an Electroactive Compound and an
Electroinactive Compound, by J. Cizek,
J. Koryta, et al.
CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXIV, 1959,
pp 663-677.
SLA TT 64-30043

Sci
May 67

327,18798

Measuring the Transition Temperatures of Polymers
by Means of the Penetrometric Method, by F.
Rybníkar, 8 p.

CZECH, per, Sborník Chémického Kvalitativního
Rabot, 1959, Vol XXIV, No 5/6, pp 1200-1205,

SLA 60-10133

Sci.
Apr 60
Vol. III, No 3

112, 120

Gas Chromatography of Monohydric Phenols,
by J. Janak, R. Komars, J. Sima, 17 p.

CZECH, per, Sbornik Chek Khimicheskikh Rabot,
1959, Vol XIV, pp 1492-1508.

ATB-74L330

Sci
May 60
Vol 3, No 4

7E151 3563
116, 758

The Melting Temperatures of Poly-6-Capronide and
Polyethylene Terephthalate, by F. Rybníček.
16 pp.

JURSIAN, per, Sborník Československých Khim
Robot, Vol. XXIV, No 9, 1959, pp 2861-2869.

SLA 60-18523

203, 251

Sci

Sum 62

Budeslnsky, B.

A UNIVERSAL APPARATUS FOR SEMIMICRODETERMINATION OF ACTIVE HYDROGEN AND QUANTITATIVE HYDROGENATION. 11 July 62 [11]p. 12 refs. Order from SLA \$1.60 62-18994

Trans. of [Sbornik Chekhoslovatskyykh Khimicheskyykh Rabot] 1959, v. 24, p. 2948-2953.

DESCRIPTORS: *Hydrogen, *Hydrogenation, Gases, Quantitative analysis, Manometers, Volumetric analysis, Organic compounds,

An improved universal apparatus for gas-volumetric determinations is described. The apparatus has been used successfully for the semimicrodetermination of active hydrogen by means of LiAlH_4 or CH_3MgI , and for quantitative hydrogenation on palladium, platinum, or Raney nickel. (Author)
(Chemistry--Analytical, TT, v. 9, no. 12)

62-18994

1. Budeslnsky, B.

Office of Technical Services

Kinetics of Electrode Processes of Complexes
in Polarography, Pt. IV. Polarographic
Behavior of Univalent Thallium in Solutions
of Ethylenediamine Tetraacetic Acid, by Z.
Zabransky, 14pp

RUSSIAN, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol 24, 1959, pp 3075-3083
SLA TT-64-30042

Sci - Chem
May 67

326,661

Polymerization of Propylene. I. Dilatometric
Method for the Study of the Heterogeneous
Polymerization of α -Olefins, by J. Ambrož,
6 pp.

RUSSIAN, per, Sbornik Chemoslovatskykh Khim
Rabot, 1959, Vol XXIV, pp 3703-3707.

ATD-194440

194, 310

Sci
May 62

Vol 4, No 10

Vecera, A.; Snobl, D., and Synek, L.
A FURTHER CONTRIBUTION TO THE SYSTEMATIC
STUDY OF THE FUNDAMENTAL OPERATIONS IN
ELEMENTAL MICROANALYSIS. Preliminary Com-
munication; Pt. 24 of Quantitative Organic Analysis.
18 June 62 [6p. 27 refs.
Order from SLA \$. 10 62-18995

Trans. of [Sbornik Chelkoslavatskykh Khimicheskyykh
Rabot] 1960, v. 25, p. 261-282.

DESCRIPTORS: *Organic compounds, Catalysts, Combustion, *Quantitative analysis, Microanalysis.

(Chemistry--Analytical, TT, v. 9, no. 8)

62-18995

I. Vecera, M.
II. Snobl, D.
III. Synek, L.
IV. Title: Quantitative. . .

Office of Technical Services

Contribution to the Knowledge of Mixing.
VI. Homogenization of a Mechanically
Thinned Liquid Medium After a Single
Addition of a Liquid Miscible in any
Proportion, by H. Steidl, 13 pp.

RUSSIAN, per, Sbornik Chekhoslovatskykh
Khim Sobot. Vol XXV, 1960, pp 515-527.

ATS-OSM40G

Sci
Vol IV, No 2
Mar 62

188,876

On the Passivity of the Alloy Sn 75-Zn, by K.
Prazak, 12 pp.

RUSSIAN, per, Sbornik Chekhoslovatskykh Khim
Rabot, Vol XXV, 1960, pp 1126.

SLA 60-18750

Sci
Jul 62

203,569

Vol 4, No 12

Wikhterle, O. and Exner, O.
SYNTHESIS OF POLYPEPTIDES BY THE REACTION
OF AMIDES WITH ALKOXIDES. 13 Nov 62 [15]p.
5 refs.
Order from SLA \$1.60 63-10788

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1960, v. 25, p. 1371-1376.

DESCRIPTORS: *Peptides, Synthesis, *Amides,
*Acetamides, Alkoxy radicals, Ethanois, Chemical
reactions, Ethyl radicals, Sodium compounds,
Acetates, Ammonia.

It was established that by the reaction of ethyl alcohol
with acetamide in the presence of sodium alcoholate no
N-ethylacetamide is formed but ethyl acetate, sodium
acetate, ammonia and other compounds are obtained.
(Author)

(Chemistry--Organic, TT, v. 10, no. 2)

63-10788

I. Wikhterle, O.
II. Exner, O.

Office of Technical Services

Seidl, H. and Vioek, J.
CONTRIBUTION TO THE KNOWLEDGE OF MIXING.
VII. RATE OF SOLUTION OF A POLYDISPERSE,
SOLID, STIRRED PHASE IN A LIQUID; EXPERI-
MENTAL VERIFICATION OF THE RATE RE-
LATIONSHIP FOR THE CASE OF AN ISOTHERMAL
DISCONTINUOUS PROCESS WITHOUT CRYSTAL DE-
COMPOSITION. [1960] 9p.
Order from ATS \$11.60

ATS-93M44G

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1960, v. 25, p. 1832-1841.

See also 60-22461

1431062

61-12097

1. Mixtures--Analysis
2. Liquids--Analysis
- I. Seidl, H.
- II. Vioek, J.
- III. Title: Rate...
- IV. Title: Experimental...
- V. ATS-93M44G
- VI. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

(Chemistry- Physical, TT, v. 3, no. 1)

Vecera, M. and Snobl, D.
QUANTITATIVE ORGANIC ANALYSIS. XXV. AN
INVESTIGATION OF THE EXTERNAL ABSORPTION
OF NITROGEN OXIDES WITH MANGANESE DIOXIDE
IN THE DETERMINATION OF CARBON AND
HYDROGEN. [1963] [15p] 32refs
Order from SLA \$1.60

TT-63-20603

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1960, v. 25, p. 2013-2021. (Abstract available)

DESCRIPTORS: *Hydrogen, *Carbon, *Manganese
compounds, Dioxides, *Nitrogen compounds, Oxides,
Absorption, Organic compounds, Quantitative analysis,
Microanalysis,

It was determined that MnO_2 binds NO_2 with its surface
hydroxyl groups, in amounts proportional to its surface
area. In accordance with this fact, hydrated $MnO(OH)_2$
gel proved the most suitable for external absorption of
(Chemistry--Analytical, TT, v. 11, no. 3) (over)

TT-63-20603

I. Vecera, M.
II. Snobl, D.
III. Title: Investigation...

Office of Technical Services

61-20521

Landa, S., Weissner, O., and Mostecky, J.
PROPERTIES OF SULFIDE CATALYSTS. VII.
PREPARATION OF MERCAPTANS, THIOETHERS,
SELENIUM MERCAPTANS, AND SELENIDES BY
THE ADDITION OF HYDROGEN SULFIDE AND
HYDROGEN SELENIDE TO OLEFINS (Über die
Eigenschaften von Sulfid-Katalysatoren. VII.
Darstellung von Mercaptanen, Thiothern,
Selenmercaptanen und Seleniden durch Anlagerung von
Schwefelwasserstoff und Selenwasserstoff an Olefine)
[1961] [21]p. (foreign text included) 26 refs.
Order from SLA \$2.60 61-20521

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1959, v. 24, p. 2197-2207.

DESCRIPTORS: *Sulfides, Catalysts, Catalysis,
*Thiols, *Selenides, Synthesis, *Hydrogen compounds,
*Ethylenes, Chemical reactions, Hydrogenation.
(Mathematics--Computing Devices, TT, v. 7, no. 1)
(over)

- I. Landa, S.
- II. Weissner, O.
- III. Mostecky, J.
- IV. Title: Preparation ...

Office of Technical Services

Kinetics of Electrode Processes of Complexes in Polarography. III. The Charge Transfer Reaction and the Dissociation Reaction of the Complex, by J. Koryta. 23 pp.

CZECH, per, Sbornik Chekhoslovatskykh Khimicheskikh Rabot, Vol 24, 1959, pp 3057-3073.
SLA TT-64-16375

Sci/Chemistry
Jul 66

306,205

**Quantitative Organic Analysis. XIII.
New Method for the Rapid Automatic
Combustion of Organic Substances: Micro-
determination of Carbon and Hydrogen,**

by M. Vacara, F. Vojtech, L. Synek,
9p.
CZHCHE, per, Slovník Československých
Národních Prací, Vol 25, No 1,
1960, pp 93-100.
SLA TT-64-30653

333, 773

Sci
Jul 67

Franc, J.
CHROMATOGRAPHY OF AROMATIC ISOMERS. XIV.
THE RELATION BETWEEN THE SIZE OF THE
DIPOLE MOMENT AND THE RELATIVE VOLUME
OF ELUTION OF PHENOL ISOMERS. [1961] 5p.
(2 tables, 7 figs. refs. omitted).
Order from SLA mi\$1.80, ph\$1.80 61-10428

Trans. of [Sbornik Czechoslovatskykh Khimicheskikh
Rabot] 1960, v. 25 [no. 6] p. 1573-1579.

The empirical relationship, $\log q = C + k\mu$, is pre-
sented. Here q is the relative elution volume, C and
 k are constants (which are related to the temperature
and the type of stationary phase), and μ is the perma-
nent dipole moment, vectorially calculated from the
dipole moments of the groups. Consideration is given
to the significance of the constants C and k and to their
mutual dependency. (See also ATS-77L29G or
59-16521)

(Chemistry--Analytical, TT, v. 5, no. 12)

61-10428

1. Phenols--Isomerism
 2. Phenols--Dipole moments
 3. Chromatographic analysis--
Applications
- I. Franc, J.
 - II. Title: Relation...

148570

Office of Technical Services

Kudrna, V., Seidl, H., and Vitek, J.
CONTRIBUTION TO THE KNOWLEDGE OF MIXING.
VIII. ISOTHERMAL DISCONTINUOUS DISSOLUTION,
WITHOUT GRAIN DISINTEGRATION, OF A POLY-
DISPERSE, STIRRED SOLID PHASE IN A LIQUID;
TIME FUNCTIONS FOR DRIVING FORCE, WEIGHT
OF SOLID PHASE AND GRAIN SIZE DISTRIBUTION.
[1960] 8p.

Order from ATS \$11.70

ATS-49M47G

Trans. of [Sbornik Československých chemických
Rabot] 1960, v. 25, p. 2469-2476.

151560

(Chemistry--Physical, TT, v. 5, no. 8)

61-12786

1. Mixtures--Analysis
2. Liquids--Analysis
- I. Kudrna, V.
- II. Seidl, H.
- III. Vitek, J.
- IV. ATS-49M47G
- V. Associated Technical
Services, Inc., East
Orange, N. J.
- VI. Title: Isothermal...

Office of Technical Services

Eitel, V. and Horak, J.
REACTION OF PHOSPHINE AND HYPOPHOSPHOROUS
ACID WITH ALDEHYDES. I. REACTION OF PHOS-
PHINE WITH BENZALDEHYDE. [1961] [10]p. 6 refs.
Order from SLA mi\$1.80 , ph\$1.60 61-10632

Trans. α [Sbornik Chekhoslovatskykh Khimicheskyykh
Rabot] 1960, v. 25, no. 8, p. 2191-2195.

The reaction of phosphine with benzaldehyde was
studied and it was found that phosphine adds, in the
presence of hydrochloric acid, to the carbonyl group
of the aldehyde to form tris(-hydroxybenzyl)phos-
phine. In aqueous alcoholic medium, the alcohol also
takes part in the reaction; in the presence of methanol,
there is formed tris(-methoxybenzyl)phosphine; in
the presence of higher alcohols there are obtained
bis(-alkoxybenzyl)phosphines. (Author)

(Chemistry--Organic, TT, v. 5, no. 11)

61-10632

1. Benzaldehydes--Chemical
reactions
 2. Phosphines--Chemical
reactions
 3. Phosphines--Synthesis
- I. Eitel, V.
 - II. Horak, J.
 - III. Title: Reaction...

108800

Office of Technical Services

Lukes, V. and Herout, V.
APPARATUS FOR PREPARATIVE GAS-LIQUID
CHROMATOGRAPHY. [1961] 7p.
Order from ATS 513.20

ATS-65N48G

Trans. of [Sbornik] Československých Chemických
Rabot [1965], v. 25, p. 2770-2776. 957848

61-22149

I. Chromatographic analysis--
Instrumentation

I. Lukes, V.

II. Herout, V.

III. ATS-65N48G

IV. Associated Technical
Services, Inc.
East Orange, N. J.

155133

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 11)

61-18707

Seidl, M.
CONTRIBUTION TO THE KNOWLEDGE OF [MIXING]
AGITATION. IX. RATE OF SOLUTION OF A POLY-
DISPERSE SOLID SWIRLED PHASE IN A LIQUID;
RATE RELATION FOR THE CASE OF AN ISO-
THERMAL NONSTATIONARY PROGRESS WITH THE
BREAKUP OF GRAINS. [1961] 18p. 7 refs.
Order from SLA \$1.60 61-18707

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1961, v. 26, no. 3, p. 601-612.

DESCRIPTORS: *Solids, *Liquids, *Mixtures, Solu-
bility, Reaction kinetics, Statistical processes.

Portions of this report will not reproduce well.

On the basis of a conception in terms of a model,
modified in a suitable way, the time relation deter-
(Chemistry--Physical, TT, v. 8, no. 9) (over)

Office of Technical Services

Lukes, R., Dudek, V. and others.
REACTION OF THE GRIGNARD REAGENT WITH
THE AMIDE GROUP: REACTION OF N-METHYL-
CAPROLACTAM WITH THE GRIGNARD REAGENTS
OF THE PARAFFIN SERIES. [1961] 14p. (German
summary omitted) 18 refs.
Order from SLA \$1.60

62-10199

Trans. of Sbornik Chekhoslovatskykh Khimicheskikh
Rabot, 1961, v. 26, p. 1105-1112.

DESCRIPTORS: *Grignard reagents, Reagents,
Amides, Methyl radicals, Magnesium compounds,
Bromides, *Lactams, Chemical reactions, Grignard
reactions, Ketones, Amines, Separation.

In addition to the geminate bases, the corresponding
amino ketones were isolated under the action of alkyl
magnesium bromides upon N-methylcaprolactam.
(Author)

62-10199

- I. Lukes, R.
- II. Dudek, V.
- III. Title: Reaction of
N-Methylcaprolactam. . .

(Chemistry--Organic, TT, v. 7,
no. 9)

Office of Technical Services

Kubinova, M., Vilim, O., and Svoboda, V.
DETERMINATION OF TRACES OF WATER IN
HYDROCARBONS. Jan 62 [6]p. 4 refs.
Order from SLA \$1.10 62-20119

Trans. of [Sbornik Chekhoslovatskykh Khimicheskyykh
Rabot] 1961, v. 26, p. 1320-1324.

DESCRIPTORS: Determination, Water, *Hydrocarbons,
*Microanalysis, Hydrolysis, Titanium compounds,
Chlorides, Test equipment.

A description is given of an analytical method for the
determination of very small concentrations of water in
hydrocarbons, amounting to up to $5 \times 10^{-4}\%$, which is
based on the measurement of the turbidity appearing
in the hydrolysis of titanium (IV) chloride due to the
effect of water. A description is given of the used
devices and the measuring results are statistically
processed. The method takes only a short time and
does not require any special apparatus. (Author)

62-20119

I. Kubinova, M.
II. Vilim, O.
III. Svoboda, V.

(Chemistry--Analytical, TT,
v. 9, no. 12)

Office of Technical Services

Pechanec, V. and Horacek, J.
USE OF THE MANOMETRIC METHOD IN ORGANIC
ANALYSIS. I. MICRODETERMINATION OF ACTIVE
HYDROGEN. 9 Mar 62 [15]p. 27 refs.
Order from SLA \$1.60

62-16071

Trans. of [Sbornik Chekhoslovatskykh Khimicheskyykh
Rabot] 1961, v. 26, p. 1805-1813.

DESCRIPTORS: *Organic compounds, *Manometers,
Solids, Liquids, *Hydrogen, *Microanalysis,
Microchemistry, Determination.

A simple manometric method for the microdetermina-
tion of active hydrogen in solid and liquid organic sub-
stances, using a Warburg manometer with a modified
vessel, suitable for crushing capillaries, has been
developed. The sample weights were between 0.5-2mg
and the deviations of results from theory did not
exceed $\pm 0.02\%$.

(Chemistry--Analytical, TT, v. 8, no. 6)

62-16071

I. Pechanec, V.
II. Horacek, J.
III. Title: Microdetermination...

Office of Technical Services

62-16072

Vecera, M.
AUTOMATIC DETERMINATION OF NITROGEN IN
ORGANIC SUBSTANCES. 15 Jan 62 [12]p. 14 refs.
Order from SLA \$1.60 62-16072

Trans. of [Sbornik Chexhoslovatskykh Khimicheskikh
Rabot] 1961, v. 25, p. 2308-2314.

DESCRIPTORS: *Nitrogen, Determination, Thermal
conductivity, Combustion, *Organic compounds,
Microchemistry, Automatic.

A new method for automatic nitrogen determination,
based on flash ignition of samples in the presence of
cobalt (II, III) oxide in a stream of CO_2 , has been de-
veloped. Nitrogen in the carrier gas is determined by
direct measurement of thermal conductivity changes.
The standard deviation of the nitrogen determination
is $\pm 0.2\%$. In a second modification of the method,
which is also suitable for the analysis of liquid com-
pounds, combustion is carried out in a closed system.
(Author)

I. Vecera, M.

(Chemistry, Organic, FI, v. 8, no. 6)

Office of Technical Services

Weidenhaller, P.
CHEMISORPTION OF GASES ON SILVER-OXIDE.
[1963] [16p] 15refs
Order from SLA \$1.60

63-20015

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1961, v. 26, p. 2587-2595.

DESCRIPTORS: *Chemisorption, *Gases, *Oxides,
*Silver compounds, *Adsorption, Reaction kinetics,
Semiconductors, Electrical conductance, Surface
properties.

The results of manometric measurements of the
reciprocal effect between oxygen and silver oxide
were compared with those of the kinetic investigation
of electron transfer between the semi-conducting
adsorbent and the chemisorbed gases. The con-
ductivity investigation of the course of chemisorption
permitted not only a comparison of the kinetics of
(Chemistry--Physical, TT, v. 10, no. 10) (over)

63-20015

I. Weidenhaller, P.

Office of Technical Services

Cerny, O. and Hajek, J.
PHOTOCHEMICAL CHLORINATION OF HEXANE
AND 2,3-DIMETHYL-BUTANE WITH CHLORINE
AND ORGANIC CHLORINATING AGENTS, 14 Apr 62,
10p. (tables omitted) 24 refs.
Order from SLA \$1.10

63-14041

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1961, v. 26, p. 2624-2631.

DESCRIPTORS: *Photochemistry, *Hexanes, *Methyl
radicals, *Butanes, Molecular isomerism, *Chlorina-
tion, Chlorine, Chlorine compounds, Isocyanic acids,
Sulfimides, Succinimides, Imides, Aniline derivatives,
Acetimides, Urea derivatives, Hydrazine derivatives,
Hypochlorites.

(Chemistry--Organic, TT, v. 10, no. 7)

(over)

63-14041

I. Cherny, O.
II. Hajek, J.

Office of Technical Services

Coulometric Microdetermination of Hydrogen in
Compounds, by J. Soucek.
CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXVII, No 4, 1962, pp 1024-
1028.
SLA TT 64-16175

May 67 325,013

Quantitative Organic Analysis, XXXI,
Microdetermination of Carbon in Organic
Substances by Measurement of Electrical Conductivity,
using Co_2O_4 as Combustion Catalyst
(Preliminary Communication)
by M. Vecera, J. Lakomy, et al.
CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXVII, No 4,
1962, pp 1033-1037.
SLA TT 64-16179

May 67 325,017

Horacek, J., Pechanec, V., and Kürbl, J.
DETERMINATION OF CARBON AND HYDROGEN IN
ORGANIC COMPOUNDS. III. THE EFFECTIVENESS
OF COMBUSTION CATALYSTS IN THE COMBUSTION
OF CARBON MONOXIDE, HEPTANE AND BENZENE,
10 Sep 62, 9p. 9 refs.
Order from SLA \$1.10

63-10103

Trans. of [Sbornik chechoslovatskykh Khimicheskikh
Rabot] 1962, v. 27, p. 1254-1260.

DESCRIPTORS: Determination, *Carbon, *Hydrogen,
*Organic compounds, *Combustion, *Catalysts,
*Carbon compounds, *Monoxides, *Heptanes,
*Benzenes.

The oxidative effectiveness of a number of combustion
catalysts used for C & H determination in elemental
analysis has been tested. CO, heptane, and benzene
(Chemistry--Analytical, TT, v. 9, no. 10) (over)

63-10103

I. Horacek, J.
II. Pechanec, V.
III. Kürbl, J.
IV. Title: Effectiveness...

Office of Technical Services

62-18996

Horacek, J. and Pechanec, V.
USE OF THE MANOMETRIC METHOD IN ORGANIC
ANALYSIS. II. MICRODETERMINATION OF DOUBLE
BONDS BY CATALYTIC HYDROGENATION. 6 Aug 62
[6]p. 10 refs.
Order from SLA \$1.10

62-18996

Trans. of [Sbornik Czechoslovatskykh Khimicheskikh
Rabot] 1962, v. 27, p. 1500-1503.

DESCRIPTORS: *Manometers, Organic compounds,
*Chemical bonds, Microanalysis, *Catalysis,
*Hydrogenation.

(See also 62-16071)

(Chemistry Analytical, TT, v. 9, no. 10)

I. Horacek, J.
II. Pechanec, V.
III. Title Micro-
termination...

Office of Technical Services

63-17448

Pelcik, J.
NEW SENSITIVE DETECTION METHOD FOR
NAPHTHENIC ACIDS. [1963] 5p.
Order from ATS \$8.00 ATS-77Q69G

Trans. of [Sbornik Chekposlovatskykh Khimicheskikh
Rabot] 1962, v. 27, no. 6, p. 1503-1507.

DESCRIPTORS: Chemical analysis, *Naphthenes,
Acids, Detection.

- I. Title: Naphthenic acids
- I. Pelcik, J.
- II. ATS-77Q69G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

(Chemistry--Analytical, TT, v. 10, no. 5)

Office of Technical Services

TT-64-16570

Dvorak, J. and Truplova, E.
DETERMINATION OF SODIUM AND TITANIUM BY
FLAME PHOTOMETRY. 7p 3reia
Order from SLA \$1.10

TT-64-16570

Trans. o: [Sbornik Chekchoslovatskykh Khimicheskikh
Rabot] (Czechoslovakia) 1963, v. 28 [no. 6] p. 1609-
1612.

I. Dvorak, J.
II. Truplova, E.

(Chemistry--Analytical, TT, v. 12, no. 3)

Office of Technical Services

TT-64-16566

Budesinsky, B.

SPECTROPHOTOMETRIC INVESTIGATION OF THE
REACTIONS OF BISMUTH, THORIUM, ZIRCONIUM,
VANADIUM, TITANIUM, AND SCANDIUM WITH
XYLENOL ORANGE AND THE DETERMINATION OF
TRACE AMOUNTS OF THESE METALS IN URANIUM.

[18p] 26reia

Order from SLA \$1.60

TT-64-16566

Trans. of [Sbornik Chemoslovatskykh Khimicheskikh
Rabot (Czechoslovakia) 1963 [v. 28, no. 7] p. 1858-1866.

1. Budesinsky, B.

(Chemistry--Analytical, TT, v. 12, no. 3)

Office of Technical Services

Quantitative Organic Analysis. XXXV.
Microdetermination of Carbon in Organic
Substances, Using a New Conductivity Cell,
by J. Lakomy, L. Lehar, et al.
CZECH, per, Sbornik Chekhoslavatskykh
Khimicheskikh Rabot, Vol XXVIII, No 12, 1963,
pp 3271-3277.
SLA TT 64-18494

Apr 67

322,252

Toxicological Experiments With Cyclo-
hexanone Oxime, ϵ -Caprolactam, and
 ϵ -Aminocaproic Acid; a Biological Comparison
of the Substances, by F. Pokorny, 22 pp.

CZECH, per, Sbornik Lekarsky, Vol LIV, 1952,
pp 28-47.

ATS-84438C

Sci

Apr 61

OTB, Vol III, No 12

163,265

Kolar, M., Sava, J., and Budesinska-Komarkova, M.
CHANGES IN THE BLOOD SUPPLY TO THE MUSCLES
OF THE DISTAL EXTREMITIES AFTER PHYSICAL
EFFORT COMBINED WITH SMOKING. Feb 61. 6p.
Order from K-H \$7.50 K-H 10643-b

Trans. of Storn[ik] Lek[arsky] (Czechoslovakia) 1960.
v. 62, p. 185-188.

DESCRIPTORS: *Blood circulation, *Muscles, *Exer-
cise, *Tobacco, Cigarettes.

(Biological Sciences--Physiology, TT, v. 8, no. 4)

62-17401

(62-16656)

- I. Kolar, M.
- II. Sava, J.
- III. Budesinska-Komarkova, M.
- IV. K-H-10643-b
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Czechoslovak Candidacy and Doctoral
Dissertations, 4 pp. GOVERNMENT USE ONLY

CZECH, per, Sbornik Lekarsky, Vol LXIV, No 8-9,
1962, pp 285-288.

JPRS 16113

Sci - Med

Nov 62

Perception of Taste of Phenylthiourea (PTC),
by R. Brůlicka, 10 pp.
CZECH, per, Sbornik Lekarsky, Vol LXVI,
No 4, 1964, pp 116-120. ~~PTU0064766~~
FTD-TT-65-1863

Sci - Biol & Med Sci
Nov 66

312,925

Polarographic Determination of Minute Quantities
of Thallium, by K. Komarek, 5 pp.

CZECH, per, Sbornik Mezinarod Polarog Sjezou Praze,
1st Congr. 1951, Pt. 1. Proc. 1, 1951, pp 611-
613.

AEX Tr 1985

Scientific - Chemistry
Physics

20,984
Jan 55 CTS/DEX

The Ticks (Ixodoidea) of the Riesengebirge and
Remarks Regarding the Taxonomic Position of the
Exopalgiger Heroldi Schulze Species, by Vl. Cerny,
12 pp.

GRISMAN, per, Spornik Narodního muzea v Praze,
(Acta Musei Nationalis Pragae), Vol XV, No 3/4,
1959, pp 156-160.

MIN 3-53-51

Sci - Med
May 61

150,608

Polydymite, a New Mineral from Czechoslovakia,
by V. Hoffmann.
CZECi, per, Sb. Nar. Mus. Praze., Vol 198, No
3, 1963, pp. 103-115.
CRL/D 812

sci-earth sci
aug 69

390,187

(DC-3955).

Collection of Organizational and Methodological
Charts on Czechoslovak Government and Economy
(Management, Planning, and Labor), 65 pp.

CZECH, bk, Sbornik Nazornych Pomucek pro
Organizaci a Rizeni, Planovani a Financovani a pro
Ekonomiku Prace, 1959, pp 1-68.

JPRS 3756

125,142

EEur - Czechoslovakia
Econ - Pol, Methodology

Sep 60

On the Method of Measuring Refractive Index, I,
by J. Kokta.

CZECH, bk, Sbornik'k Osmdesatinam Akademika F. Slavika,
Czech Acad of Sci, Prague, 1957, pp 159-166.

*AEC

Sci - Phys

Apr 59

Precipitation of Carbides in Molybdenum. Czech at
350° C, by J. Cadak.

CZECH, per, Sbornik Ostrave, Vol VII, No 1, 1961,
pp 569-604.

g
*BISI 3305

Sci - M/M
Sept 63

On the Quality of Non-Ageing Aluminium-
Stabilised Deep-Drawing Steel, by V. Dedek,
V. Vondrasek.
CZECH, per, Sbornik (Ostrava), Vol 10, No 3,
1964, pp 329-335.
#BISI 5247

Sci - Mechanical, Industrial,
Civil, and Marine Engineering
Jan 67

Differential Thermal Analysis of Coal and Coke,
by F. Kessler, H. Romackova.
CZECH, per, Sb. Praci Hornik, Ustavu CEAV,
No 4, 1961, pp 144-166.
(TMS 1356)
CSOB 3260

314,369

Sci - Materials
Nov 66

a Dynamic Vibration Absorber in the Case of
Centrifugal Force. by S. Ziemba,
B. Raduiszewski.
CZECH, per, Shornik Pracz Konferencie
Celostatna Konferencie o Probl. Moch
Dynamiky Strojov, 24 Smolenice, 1961,

Investigation on the Tools of Cultivators
and Hoes, by Z. Prinhoda.

CZECH, per, Sbornik Praci Vyzkumneho
Ustavu Zemelskych Strojů, No 1, 1960,
pp 153-158.
GB/141/160. 7s.0a.

Sol -
Jul 67

334,792

Statistical Analysis of Operating Conditions in
Cast Iron Foundry Practice, by Aneska Zaludova,

¹⁰⁰⁰
~~SERBO-CROATIAN~~, bk, Sbornik Prednasek Pracovníku
Výzkumného Ústavu Tepelné Techniky, 1951, pp 143-144.

*ABC

Ans
Sci - ~~Phys~~
Sep 60

m Statistical Analysis of Operating Conditions in
Cast Iron Foundry Practice, By Aneska Zaludova, 20 pp.

POLISH, per rpt, Sbornik Prednasok Pracovniku
Vyzkumneho Ustavu Tepelne Techniky, 1956, pp 144-162.
9081182

AEC Tr-4540

170, 220

Sci - Engr
Oct 61

The Statistical Interpretation of the Fatigue Properties of Material and the Statistical Aspect of Safety, by Jan Sedlacek, 40 pp.

POLISH, per, Sbornik Statistického Vyzkumu Ustavu Tepelne Tech, 1958, pp 103-125.

AEC SCL-T-298

Sci - Phys
Sep 60

124,849

Theoretical Question Concerning the Piercing
Property of Steels, by V. Heinrich, O. Pejnoch.
Czech, rpt, Sbornik Sump. "Stiefel VZKG" Paper E,
MESI 7430.

sci/materials
dac 69

398,612

The Contribution of the Vitkovice Steel
and Ironworks (VZKG) in the Branch of
Plants for Tube Rolling Mills.

By M. Behal

CZECH, rpt, Sbornik Symp. "Stiefel VZKG"
paper 1.

BISI 7433

Sci/Mat
Nov 69

396,084

The Tube Drawing reduction mills, their develop-
ment and today's importance, by G. Becker.
CZAGI, rpt, Sbornik Symp. "Stiefel VZKG-60 let"
*SISI 7625

sci/ materials
sept 69

Magnetic and Gravitric Studies in Moravia, by
R. Bohunek,
HUNGARIAN, per. Sbornik Ustredneho ustavu Geo-
logického, Vol 23, 1956, Geological Series, No 1-
2, 1967, pp 299-319 + 2 Tables.
ACIC TC-1177

Sol-Earth Sci
Feb 68

349,010

Changes in the Permeability of Barriers
After Irradiation. Radiobiology of the
Cell Barriers, by B. Glukhovskii.
Czech, per, Sbornik Vedeckych Praci, Lekarske
Fakulty ku v Hradci Kralove, Vol 6, 1963,
pp 147-153.
NRC/Ref: C-5131 NRC TT - 1149 (mimeo-\$0.50)

Sci -
Jul 67

134,704

EEG Records in Healthy Children Aged 7
to 10 Years, by Dagmar Sinkova.
HUNGARIAN, per, Sborn Ved Prac Lek Fak
Karlovy Univ (Hrad Kral), 7: 1/3, 275-281, 1964
Dept HEW NIH, 8-39-65

Sci-Biol & Med
Oct 65

290, 320

Stereotactic Cerebral Performances in
Parkinsonism, Unappeasable Pain and
Psychomotoric Epilepsy, by
Rudolf Petr, et al.
GERMAN, per, Sborn Ved Prac Lek Fak
Karlov Univ, No 3, 1960, pp 985-993.
NIH 7-56-65 (On Loan)

Sci/B&M
Aug 65

287,376

<p>Pribyl, J. A CONTRIBUTION OF THE TERMINOLOGY, AND TO THE EXPLANATION, OF INHOMOGENEITY IN CAST BODIES. Aug 61. Order from MT 8 8a MT Trans-83</p> <p>Trans. of Vysoka Skola Brnka, Sbornik Vedeckych Praci (Czechoslovakia) 1959, v. 5, no. 3, p. 249-261.</p> <p>DESCRIPTORS: Subject headings, *Castings, Czechoslovakia.</p> <p>(Manufacturing, TT, v. 7, no. 4)</p>	<p>61-25309</p> <p>I. Pribyl, J. II. MT Trans-83 III. Tollemache, M. de O. (Gt. Brit.)</p> <p>Office of Technical Services</p>
---	--

Diffusion of Carbon in Ferrite, by J. Busa.
CZECH, per, Sbornik Vedeckych Prac VST v Kosiciach,
Vol 2, 1962, pp 31-34.
*NTIS TT 71-56058

July 71

A Contribution to the Terminology, and to the
Explanation, of Inhomogeneity in Cast Bodies,
by J. Pribyl.

GERMAN, per, Sbornik Vedeckych Praci Vysoke
Skoly Brno v Ostrave, Vol V, No 3, 1959,
pp 249-261.

MT 83

Sci
Feb 63

~~222,682~~
222,432

Pre-heating the Charge of Electric Arc-Furnaces,
by Z. Busek.

CZECH, per, Sbornik Vedeckych Praci Vysoke Skoly
Banska v Ostrave, Vol VII, No 7, 1961, pp 731-733.

BIBI 2955

Sci - Engr

Jan 63

list 159